Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-16. (Cancelled)

17. (Currently Amended) ~~a~~A solid support comprising:

a. A substrate;

b. An electrostatic layer comprising a positively charged compound on the substrate; ~~and~~

c. A surface-treated layer comprising diamond between the substrate and the electrostatic layer,

~~c.~~d. A chemically modifying layer containing a carboxyl group on the electrostatic layer ~~making it possible to introduce~~for introducing a functional group ~~capable of~~for covalently binding to a nucleic acid molecule; and

~~d.~~e. A nucleic acid molecule bonded covalently to the chemically modifying layer.

18. (Cancelled)

19. (Previously Presented) The solid support according to claim 17, wherein the electrostatic layer includes an amino group-containing compound that does not covalently bond to the substrate.

20. (Previously Presented) The solid support according to claim 17, wherein the electrostatic layer includes an amino group-containing compound by covalently binding to the substrate, and the compound containing an amino group has an amino group at the terminus to which the substrate does not bind.

21. (Previously Presented) The solid support according to claim 19, wherein the amino group-containing compound is polyarylamine.

Claims 22-30. (Cancelled)

31. (Previously Presented) The solid support according to claim 17, wherein the nucleic acid molecule is immobilized as a spot.

32. (Previously Presented) The solid support according to claim 17, wherein the thickness of the electrostatic layer is 1 nm to 500 microns.

33. (New) The solid support according to claim 17, wherein the diamond is a soft diamond that is diamond-like carbon.

34. (New) The solid support according to claim 17, wherein a nucleic acid is covalently bound to the carboxyl group.

35. (New) The solid support according to claim 17 wherein the thickness of the surface-treated layer is 1 nm to 100 nm.